

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=25; hr=13; min=17; sec=38; ms=906; ]

=====

Application No: 10579988 Version No: 2.0

**Input Set:**

**Output Set:**

**Started:** 2008-01-17 15:44:15.042  
**Finished:** 2008-01-17 15:44:17.534  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 492 ms  
**Total Warnings:** 15  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 17  
**Actual SeqID Count:** 17

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)

SEQUENCE LISTING

<110> LEONARD, Warren J.

LIPSKY, Peter

MORSE, Herbert C.

ETTINGER, Catherine Rachel

SPOLSKI, Rosanne

<120> METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION

<130> 252024

<140> 10579988

<141> 2006-08-08

<150> PCT/US04/39135

<151> 2004-11-18

<150> 60/523,754

<151> 2003-11-19

<160> 17

<170> PatentIn version 3.4

<210> 1

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1

Met Arg Ser Ser Pro Gly Asn Met Glu Arg Ile Val Ile Cys Leu Met  
1 5 10 15

Val Ile Phe Leu Gly Thr Leu Val His Lys Ser Ser Ser Gln Gly Gln  
20 25 30

Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp Gln  
35 40 45

Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala Pro  
50 55 60

Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser Cys Phe Gln  
65 70 75 80

Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile Ile  
85 90 95

Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser Thr Asn Ala  
100 105 110

Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser Tyr  
115 120 125

Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu Leu  
130 135 140

Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser Glu  
145 150 155 160

<210> 2  
<211> 146  
<212> PRT  
<213> Mus musculus

<400> 2

Met Glu Arg Thr Leu Val Cys Leu Val Val Ile Phe Leu Gly Thr Val  
1 5 10 15

Ala His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu  
20 25 30

Arg His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp  
35 40 45

Leu Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys  
50 55 60

Glu His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser  
65 70 75 80

Asn Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu  
85 90 95

Arg Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile  
100 105 110

Ala Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu  
115 120 125

Phe Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His

130

135

140

Leu Ser

145

<210> 3

<211> 30

<212> DNA

<213> Artificial

<220>

<223> oligonucleotide probe/primer

<400> 3

cagtccacacag taaggaagtg aaattaattt

30

<210> 4

<211> 20

<212> DNA

<213> Artificial

<220>

<223> oligonucleotide probe/primer

<400> 4

gaaaattcct agaaagcata

20

<210> 5

<211> 22

<212> DNA

<213> Artificial

<220>

<223> oligonucleotide probe/primer

<400> 5

acagaggccc agtttgaaga ga

22

<210> 6

<211> 19

<212> DNA

<213> Artificial

<220>

<223> oligonucleotide probe/primer

<400> 6

aaggatgcct cggcttgaa

19

<210> 7

<211> 19

<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 7  
ccctgggatt ccggcgctg 19

<210> 8  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 8  
aaacgcaga gggatgaagg t 21

<210> 9  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 9  
aacaggctc cccgcatct 19

<210> 10  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 10  
caactccggg ccgggacttc c 21

<210> 11  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 11  
tcagagtatt cggattctag ctgtga 26

<210> 12  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 12  
tgcagcgtgt gcctcttg 18

<210> 13  
<211> 27  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 13  
tgcaacgaat gtgactgccg tttctct 27

<210> 14  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 14  
ttcaccacca tggagaaggc 20

<210> 15  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 15  
ggcatggact gtggcatga 20

<210> 16  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide probe/primer

<400> 16

tgcatcctgc accaccaact gcttag

26

<210> 17

<211> 5

<212> PRT

<213> Artificial

<220>

<223> Synthetic

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa can be any naturally occurring amino acid

<400> 17

Trp Ser Xaa Trp Ser

1 5